

# LEDS C4<sup>®</sup>

## Luminaire

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

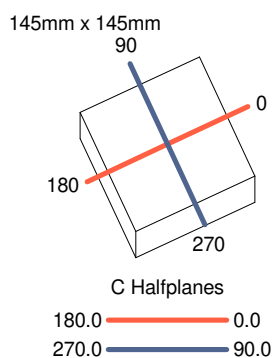
## Measurement

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

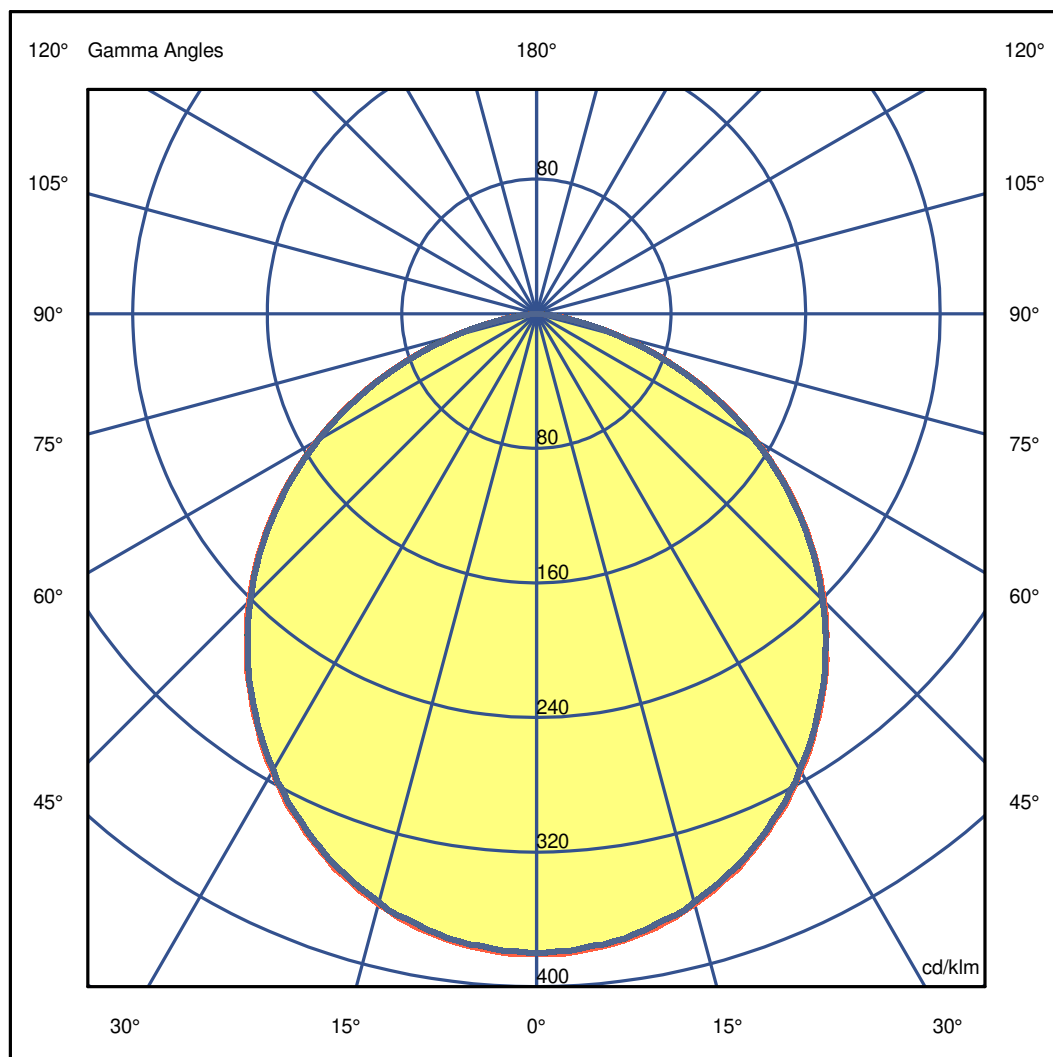
Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	145 mm 85 mm	Width Width	145 mm 85 mm	Height Height	75 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.007225 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000000 m2 0.000000 m2 0.001748 m2				
Coordinate system Date Measurement Distance	CG 15-10-2021 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 90 669 lm				
Operator Temperature Humidity Notes	qualitat	Rated Voltage Rated Current Photocell					

## Luminaire Sources

Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
C.I.E. F UTE	50 82 97 100 100 1.00 E	D DIN 5040 B NBN	669.14 A30 BZ 4	11.60	1



ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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Luminous Intensity Table cd/klm Table 1/2

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	380.15	380.15	380.15	380.15	380.15	380.15	380.15
G 1.0	380.59	380.70	380.05	379.87	379.77	379.92	379.60
G 2.0	380.97	379.96	379.64	379.20	379.18	379.24	379.00
G 3.0	380.18	379.80	379.48	379.70	379.51	378.73	379.16
G 4.0	379.49	379.34	379.14	378.82	378.89	378.87	378.11
G 5.0	378.78	378.30	378.22	377.88	377.60	377.50	377.06
G 6.0	377.91	377.17	376.97	376.87	377.14	377.31	377.03
G 7.0	376.99	376.58	376.30	376.44	376.17	375.85	375.78
G 8.0	375.91	375.30	374.90	374.79	375.05	374.86	375.03
G 9.0	374.40	374.02	373.47	373.86	373.35	373.85	373.14
G 10.0	373.13	372.47	372.62	372.14	372.44	371.82	371.86
G 11.0	371.75	370.87	370.43	370.49	370.72	370.34	369.82
G 12.0	369.56	368.84	368.86	368.63	368.45	368.65	368.01
G 13.0	367.92	366.99	366.91	367.08	366.54	366.66	366.90
G 14.0	365.35	365.20	364.48	364.73	364.54	364.27	365.03
G 15.0	363.20	363.26	362.37	362.60	362.65	362.06	361.96
G 16.0	360.71	359.92	360.36	360.07	360.26	360.11	359.47
G 17.0	358.74	357.53	357.88	357.44	357.41	357.65	357.15
G 18.0	355.46	355.68	355.00	354.91	354.71	354.42	354.67
G 19.0	353.14	352.67	352.67	352.20	352.13	352.28	351.58
G 20.0	350.88	349.73	349.32	349.38	349.36	349.28	349.34
G 21.0	346.98	346.77	346.08	346.47	346.23	346.23	346.16
G 22.0	343.82	343.16	343.28	343.23	342.78	342.99	342.61
G 23.0	340.44	339.95	340.39	339.90	339.98	339.47	339.52
G 24.0	337.40	337.07	336.69	336.34	336.59	335.97	336.06
G 25.0	333.24	333.10	332.67	332.69	332.56	332.22	332.11
G 26.0	330.18	329.67	329.47	329.76	329.17	328.85	328.91
G 27.0	326.86	325.71	325.64	325.71	325.69	325.06	325.63
G 28.0	322.26	321.78	321.56	321.32	321.32	321.26	321.00
G 29.0	318.33	318.01	317.72	317.83	317.28	317.45	317.75
G 30.0	313.95	313.72	313.77	313.51	313.28	313.37	312.83
G 31.0	310.21	309.86	309.26	309.28	309.38	309.47	308.93
G 32.0	305.89	305.20	305.10	305.15	304.79	304.74	304.70
G 33.0	301.48	301.17	300.84	300.60	300.55	300.35	300.26
G 34.0	296.30	296.55	296.14	296.09	296.21	296.03	295.95
G 35.0	292.26	292.20	291.91	291.79	291.02	291.63	290.96
G 36.0	287.48	287.25	287.18	287.22	286.84	286.99	286.42
G 37.0	282.50	282.37	282.35	282.46	282.23	281.97	281.87
G 38.0	277.96	277.57	277.42	277.03	277.35	277.33	277.34
G 39.0	273.35	272.75	272.43	271.91	272.28	272.28	272.23
G 40.0	268.23	267.79	267.47	267.68	267.28	266.97	266.93
G 41.0	262.24	262.39	262.31	262.16	262.04	261.86	261.72
G 42.0	257.72	257.61	257.41	257.09	256.93	256.83	256.83
G 43.0	252.59	251.95	251.79	251.74	252.01	251.62	251.67
G 44.0	247.25	246.83	246.51	246.41	246.25	246.51	245.98
G 45.0	241.54	241.16	241.05	240.94	240.80	240.56	240.45
G 46.0	235.86	235.89	235.64	235.28	235.30	235.10	234.96
G 47.0	230.63	230.06	230.05	229.65	229.92	229.61	229.75
G 48.0	224.88	224.36	224.18	224.18	224.26	224.16	223.79
G 49.0	219.01	218.61	218.37	218.32	218.21	218.25	218.23
G 50.0	212.84	213.05	212.51	212.67	212.56	212.20	212.08
G 51.0	207.28	207.06	206.56	206.93	206.47	206.63	206.29
G 52.0	201.06	200.85	200.64	200.49	200.48	200.23	200.26
G 53.0	195.14	194.95	194.85	194.42	194.58	194.30	194.23
G 54.0	188.77	188.75	188.58	188.33	188.19	188.34	187.70
G 55.0	182.72	182.66	182.14	182.07	181.86	181.84	182.02
G 56.0	176.50	175.75	175.92	175.86	175.75	175.62	175.53
G 57.0	169.95	169.96	169.39	169.45	169.46	169.09	169.00
G 58.0	163.53	163.40	163.22	163.09	162.92	162.89	162.82
G 59.0	157.02	156.87	156.70	156.75	156.31	156.37	156.15
G 60.0	150.58	150.35	150.17	149.92	149.93	149.71	149.58
G 61.0	143.77	143.72	143.38	143.45	143.22	143.35	143.22
G 62.0	137.09	136.99	137.07	136.91	136.71	136.50	136.47
G 63.0	130.49	130.32	130.06	130.05	129.74	129.67	129.82
G 64.0	123.83	123.74	123.29	123.41	123.06	123.13	122.89
G 65.0	116.87	116.79	116.81	116.56	116.56	116.27	116.09
G 66.0	110.09	110.09	109.80	109.56	109.57	109.51	109.38
G 67.0	103.38	103.35	103.09	103.01	102.76	102.73	102.74
G 68.0	96.50	96.51	96.30	96.14	95.92	95.92	95.85
G 69.0	89.94	89.77	89.60	89.45	89.21	89.15	89.05
G 70.0	82.93	82.79	82.68	82.50	82.46	82.28	82.18
G 71.0	76.57	76.41	76.17	76.00	75.79	75.67	75.76
G 72.0	69.67	69.62	69.55	69.41	69.30	69.09	69.05

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Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

**Luminous Intensity Table cd/klm Table 2/2**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 73.0	63.35	63.31	63.03	62.93	62.72	62.61	62.51
G 74.0	57.03	56.97	56.77	56.60	56.30	56.23	56.18
G 75.0	50.77	50.80	50.60	50.47	50.19	50.08	50.05
G 76.0	44.80	44.84	44.72	44.45	44.25	44.14	44.04
G 77.0	39.01	39.01	38.77	38.64	38.53	38.36	38.20
G 78.0	33.71	33.73	33.42	33.29	33.03	32.86	32.88
G 79.0	28.57	28.50	28.31	28.11	27.89	27.79	27.78
G 80.0	23.72	23.75	23.52	23.33	23.13	22.99	22.85
G 81.0	19.31	19.35	19.14	18.94	18.65	18.51	18.47
G 82.0	15.32	15.34	15.12	14.91	14.66	14.55	14.46
G 83.0	11.74	11.83	11.55	11.35	11.10	10.98	10.91
G 84.0	8.65	8.69	8.55	8.28	8.00	7.97	7.82
G 85.0	6.21	6.32	5.99	5.70	5.58	5.41	5.24
G 86.0	3.99	4.17	3.85	3.78	3.46	3.41	3.11
G 87.0	2.69	2.57	2.50	2.12	1.92	1.95	1.78
G 88.0	1.39	1.54	1.35	1.35	0.90	0.81	0.83
G 89.0	0.29	0.74	0.42	0.61	0.38	0.29	0.22
G 90.0	0.03	0.28	0.05	0.18	0.11	0.05	0.06

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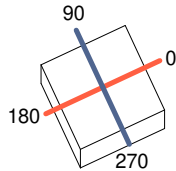
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**Measur.**

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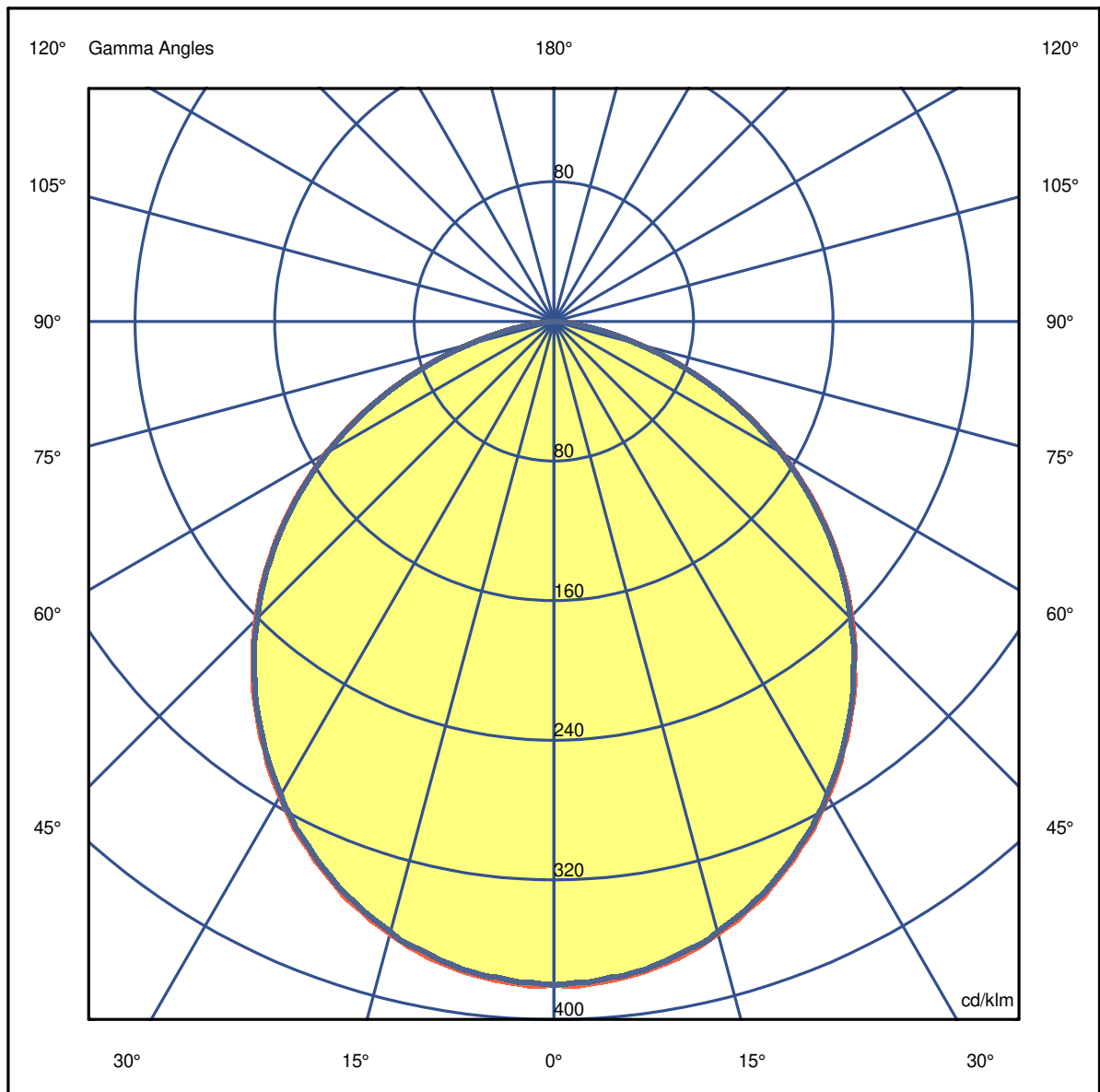
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Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

145mm x 145mm



C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0



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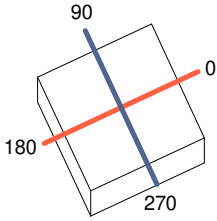
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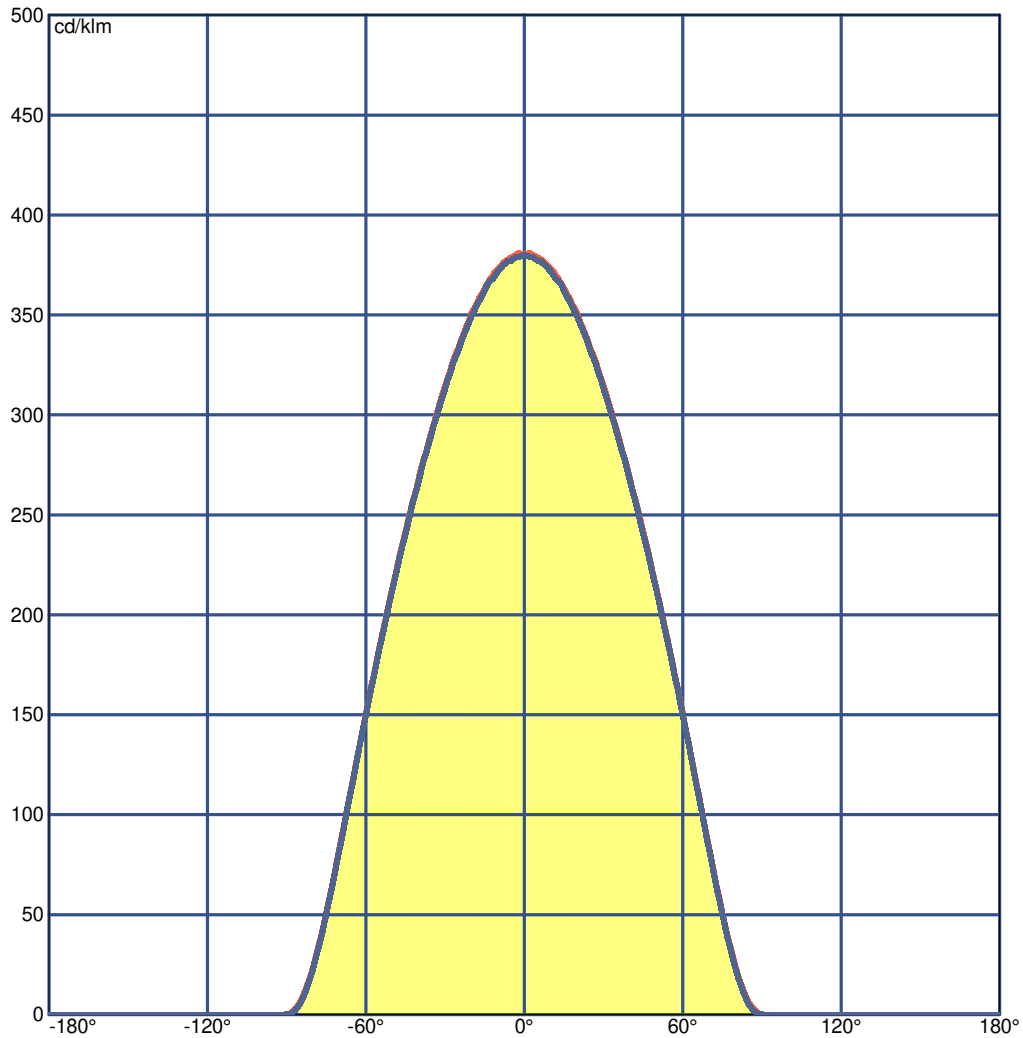
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145mm x 145mm



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180.0 ———— 0.0  
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**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	24.4	25.7	24.7	25.9	26.1	24.4	25.6	24.7	25.9	26.1
x=2H y=3H	25.7	26.8	26.0	27.1	27.4	25.6	26.8	26.0	27.1	27.3
x=2H y=4H	26.1	27.2	26.4	27.5	27.8	26.1	27.2	26.4	27.4	27.7
x=2H y=6H	26.3	27.3	26.6	27.6	27.9	26.2	27.2	26.6	27.5	27.9
x=2H y=8H	26.3	27.3	26.7	27.6	27.9	26.3	27.2	26.6	27.5	27.9
x=2H y=12H	26.3	27.2	26.7	27.5	27.9	26.2	27.2	26.6	27.5	27.8
x=4H y=2H	25.0	26.1	25.3	26.4	26.7	25.0	26.1	25.3	26.3	26.6
x=4H y=3H	26.4	27.4	26.8	27.7	28.0	26.4	27.3	26.8	27.7	28.0
x=4H y=4H	27.0	27.8	27.4	28.1	28.5	26.9	27.7	27.3	28.1	28.4
x=4H y=6H	27.2	27.9	27.7	28.3	28.7	27.2	27.9	27.6	28.3	28.7
x=4H y=8H	27.3	27.9	27.7	28.3	28.7	27.2	27.9	27.7	28.3	28.7
x=4H y=12H	27.3	27.9	27.7	28.3	28.7	27.2	27.8	27.7	28.2	28.7
x=8H y=4H	27.1	27.8	27.6	28.2	28.6	27.1	27.7	27.5	28.1	28.5
x=8H y=6H	27.5	28.0	27.9	28.4	28.9	27.4	28.0	27.9	28.4	28.8
x=8H y=8H	27.6	28.0	28.0	28.5	28.9	27.5	28.0	28.0	28.4	28.9
x=8H y=12H	27.6	28.0	28.1	28.4	28.9	27.5	27.9	28.0	28.4	28.9
x=12H y=4H	27.1	27.7	27.6	28.1	28.6	27.1	27.7	27.5	28.1	28.5
x=12H y=6H	27.5	27.9	28.0	28.4	28.9	27.4	27.9	27.9	28.3	28.8
x=12H y=8H	27.6	28.0	28.1	28.4	28.9	27.5	27.9	28.0	28.4	28.9

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Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Total Flux=669.14 Luminaire Flux=669.14

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.32	0.41	0.49	0.56	0.62	0.70	0.76	0.80	0.85	0.88	0.94	0.97
RC	5	5	5	4	4	4	4	4	4	4	4	3

Zonal Flux per 1000 Lumen

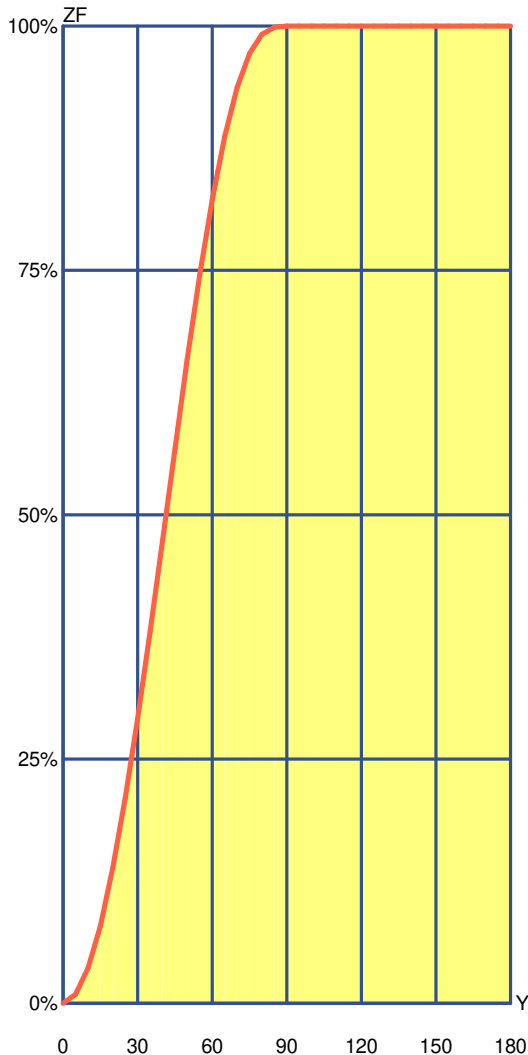
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	36	138	292	474	660	822	937	991	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

50 82 97 100 100

C.I.E. 5/5/5/4/4/4/4/4/4/4/3  
D DIN 5040 A30  
F UTE 1.00 E  
B NBN BZ 4  
RN 0.00000 %  
BLF 1.0

LOR 100.00000 %  
ULOR 0.00000 %  
DLOR 100.00000 %  
UFF 0.00000 %  
DFF 100.00000 %  
FFR 0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	9.06	9.06	0.91%	0.91%
10°	26.84	35.91	2.68%	3.59%
15°	43.59	79.49	4.36%	7.95%
20°	58.67	138.16	5.87%	13.82%
25°	71.56	209.72	7.16%	20.97%
30°	81.81	291.53	8.18%	29.15%
35°	89.11	380.64	8.91%	38.06%
40°	93.27	473.92	9.33%	47.39%
45°	94.13	568.04	9.41%	56.80%
50°	91.64	659.69	9.16%	65.97%
55°	85.83	745.52	8.58%	74.55%
60°	76.78	822.29	7.68%	82.23%
65°	64.79	887.08	6.48%	88.71%
70°	50.38	937.46	5.04%	93.75%
75°	34.61	972.07	3.46%	97.21%
80°	19.39	991.47	1.94%	99.15%
85°	7.38	998.85	0.74%	99.89%
90°	1.15	1000.00	0.11%	100.00%
95°	0.00	1000.00	0.00%	100.00%
100°	0.00	1000.00	0.00%	100.00%
105°	0.00	1000.00	0.00%	100.00%
110°	0.00	1000.00	0.00%	100.00%
115°	0.00	1000.00	0.00%	100.00%
120°	0.00	1000.00	0.00%	100.00%
125°	0.00	1000.00	0.00%	100.00%
130°	0.00	1000.00	0.00%	100.00%
135°	0.00	1000.00	0.00%	100.00%
140°	0.00	1000.00	0.00%	100.00%
145°	0.00	1000.00	0.00%	100.00%
150°	0.00	1000.00	0.00%	100.00%
155°	0.00	1000.00	0.00%	100.00%
160°	0.00	1000.00	0.00%	100.00%
165°	0.00	1000.00	0.00%	100.00%
170°	0.00	1000.00	0.00%	100.00%
175°	0.00	1000.00	0.00%	100.00%
180°	0.00	1000.00	0.00%	100.00%

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## Utilizations CIE

Mounting	Direct	Normalization		Normalised	Suspension Ratid/3			Standard CIE Settings									
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### Ceiling

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	215	193	168	151	184	144	111	94	86	73	46	35	17	12	68	37	33	14	11	31	12	10	0
0.80	248	228	178	164	217	157	139	122	98	86	55	44	23	17	80	46	42	20	16	39	17	15	0
1.00	271	252	179	167	240	160	162	145	104	93	62	51	29	23	87	53	48	25	22	46	22	20	0
1.25	290	273	176	166	260	160	186	168	108	99	68	58	36	29	93	59	55	32	28	52	28	25	0
1.50	304	289	171	163	275	157	204	188	110	102	73	63	42	35	96	64	60	37	33	57	34	31	0
2.00	321	309	160	155	295	149	233	218	111	105	79	71	52	44	99	71	68	47	43	65	43	40	0
2.50	333	322	151	147	308	143	254	240	111	106	83	76	59	52	100	76	73	54	50	70	50	47	0
3.00	341	332	145	142	317	138	269	257	110	106	86	80	65	58	101	80	77	60	56	74	56	53	0
4.00	353	345	137	135	331	131	291	281	110	107	91	86	73	67	102	85	82	69	65	80	65	61	0
5.00	360	354	132	130	339	127	306	297	110	107	93	89	79	74	103	88	86	75	71	84	71	67	0
10.00	377	373	121	120	358	118	340	334	109	108	100	98	92	88	104	96	95	88	86	92	85	82	0
20.00	385	383	115	114	368	113	359	356	108	107	104	102	99	97	105	100	100	96	95	97	94	91	0

### Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	460	448	400	392	442	387	348	340	313	307	262	258	226	224	304	258	257	224	223	256	224	223	203
0.80	515	502	434	426	493	420	401	392	350	345	301	295	263	261	340	296	294	261	260	292	260	259	235
1.00	549	537	450	443	525	436	438	428	373	367	326	320	289	286	362	320	318	286	285	315	285	283	256
1.25	579	567	460	454	553	447	472	461	391	385	347	341	312	308	379	340	338	309	307	335	306	304	274
1.50	599	588	466	461	572	453	497	486	402	397	362	356	329	325	390	354	352	325	323	349	322	319	286
2.00	617	607	460	456	588	449	524	513	408	404	374	368	345	340	395	365	363	340	337	358	335	332	295
2.50	626	618	453	450	597	443	541	531	409	405	379	374	354	349	396	370	368	348	345	363	343	338	299
3.00	630	622	445	443	600	436	551	541	406	403	381	376	358	353	393	371	369	351	349	363	345	340	299
4.00	640	634	440	438	610	431	569	561	408	405	387	383	368	364	395	377	375	361	358	368	354	348	303
5.00	648	642	438	436	617	429	582	575	410	408	392	389	376	372	397	382	380	368	365	373	360	353	307
10.00	661	658	429	428	629	422	610	605	411	410	401	399	392	389	399	390	389	381	380	379	372	363	313
20.00	656	654	412	411	624	405	613	610	399	398	394	392	388	387	387	382	381	377	376	371	367	357	304

### Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	608	595	567	558	588	552	474	466	456	450	391	386	344	342	446	387	385	342	342	384	342	341	324
0.80	718	703	661	652	691	644	578	568	551	544	485	479	435	433	538	479	477	433	432	474	431	430	413
1.00	803	788	732	723	773	713	663	652	627	620	563	556	514	510	612	555	553	510	508	549	508	506	488
1.25	883	868	795	787	849	777	746	733	699	692	639	631	590	585	682	629	626	586	583	621	582	579	562
1.50	941	927	841	834	905	822	809	795	752	745	695	688	649	644	733	684	681	643	640	675	638	634	618
2.00	1000	1000	904	899	987	887	904	891	829	823	781	774	740	734	809	768	765	732	729	757	725	720	705
2.50	1000	1000	943	939	1000	926	967	954	878	872	836	829	800	794	857	822	819	791	787	809	782	775	761
3.00	1000	1000	969	965	1000	953	1000	1000	912	907	875	869	844	837	891	860	857	832	828	846	822	814	801
4.00	1000	1000	1000	997	1000	985	1000	1000	952	948	923	917	897	890	930	906	903	883	879	891	871	861	848
5.00	1000	1000	1000	1000	1000	1000	1000	1000	976	973	952	946	929	923	954	933	931	914	911	917	901	889	877
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	995	1000	992	990	981	979	973	964	948	937
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	980	970

LM53 SHR C0-C180: 1.226 SHR C90-C270: 1.226 SHR Square: 1.345



# LEDS C4<sup>®</sup>

## Luminaire

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

## Measurem.

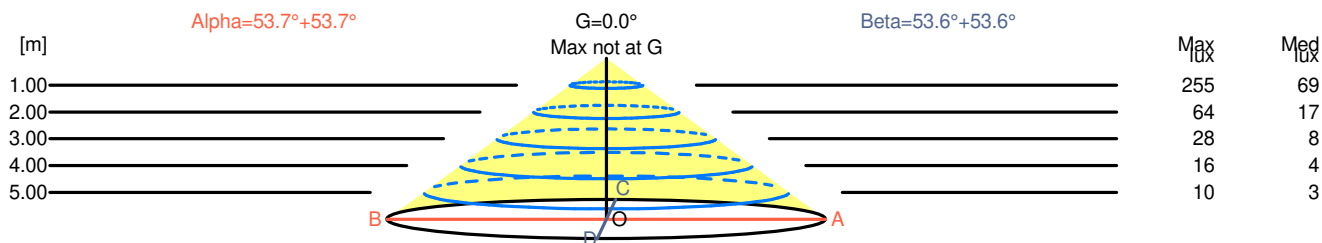
Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.36	2.73	4.09	5.45	6.81	OC	1.36	2.71	4.07	5.42	6.78
OB	1.36	2.73	4.09	5.45	6.81	OD	1.36	2.71	4.07	5.42	6.78

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	254.37	253.46	243.03	222.98	195.56	161.62	122.27	78.20	33.97	4.15
OB	254.37	253.46	243.03	222.98	195.56	161.62	122.27	78.20	33.97	4.15
OC	254.37	252.31	242.20	222.23	194.69	160.90	121.80	77.68	33.49	3.51
OD	254.37	252.31	242.20	222.23	194.69	160.90	121.80	77.68	33.49	3.51



H[m]	D[m]	Max lux	Med lux	Alpha=53.7°+53.7°	G=0.0 Max not at G	
1.00	2.73	255	69			
2.00	5.45	64	17			
3.00	8.18	28	8			
4.00	10.90	16	4			
5.00	13.63	10	3			

H[m]	D[m]	Max lux	Med lux	Beta=53.6°+53.6°	G=0.0 Max not at G	
1.00	2.71	255	69			
2.00	5.42	64	17			
3.00	8.13	28	8			
4.00	10.84	16	4			
5.00	13.55	10	3			

# LEDS C4<sup>+</sup>

**Luminaire**

Code 05-E063-Z5-OU\_2700K\_1  
 Name MODIS

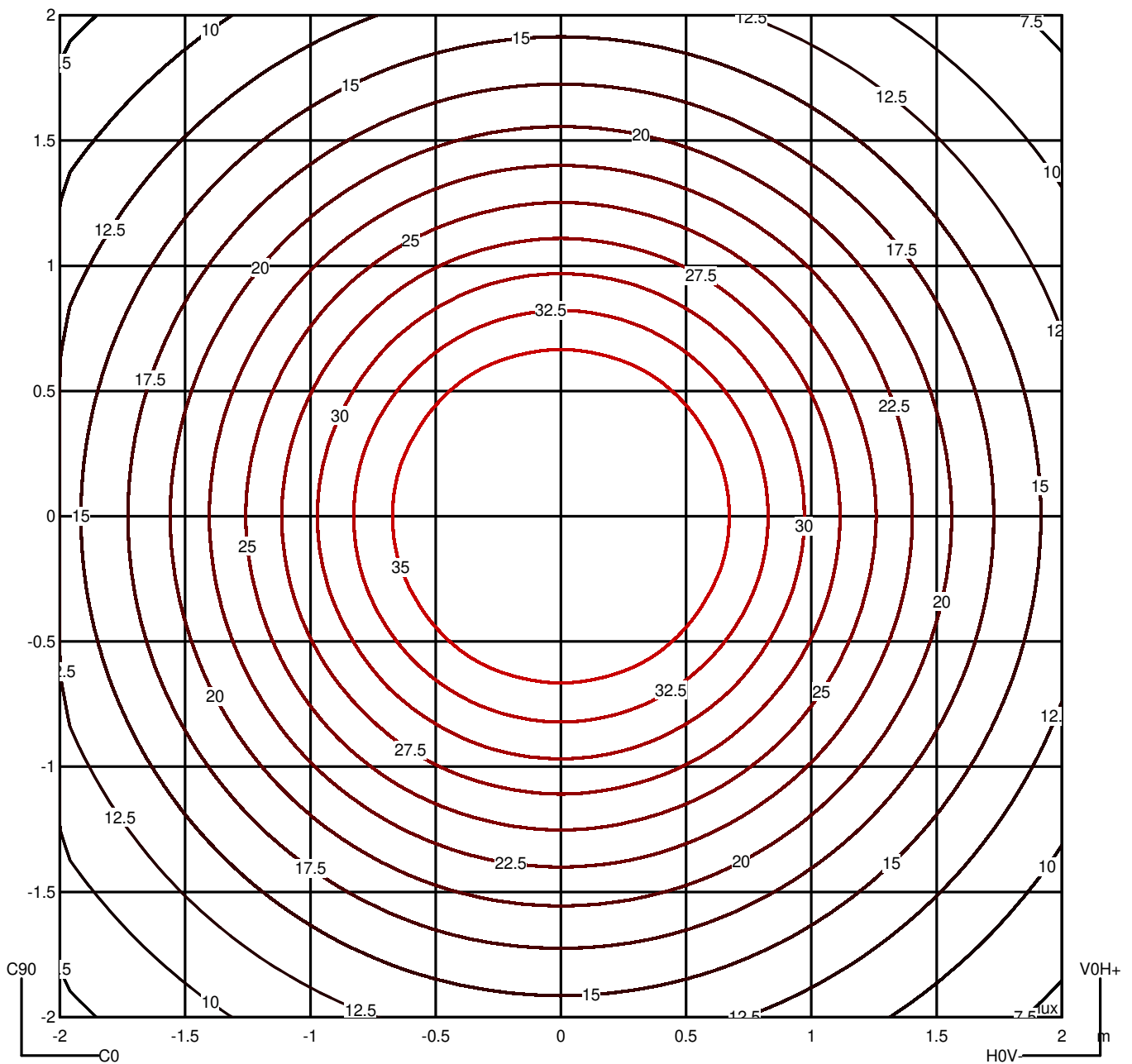
**Measurum.**

Code 05-E063-Z5-OU\_2700K\_1  
 Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



# LEDS C4<sup>®</sup>

**Luminaire**

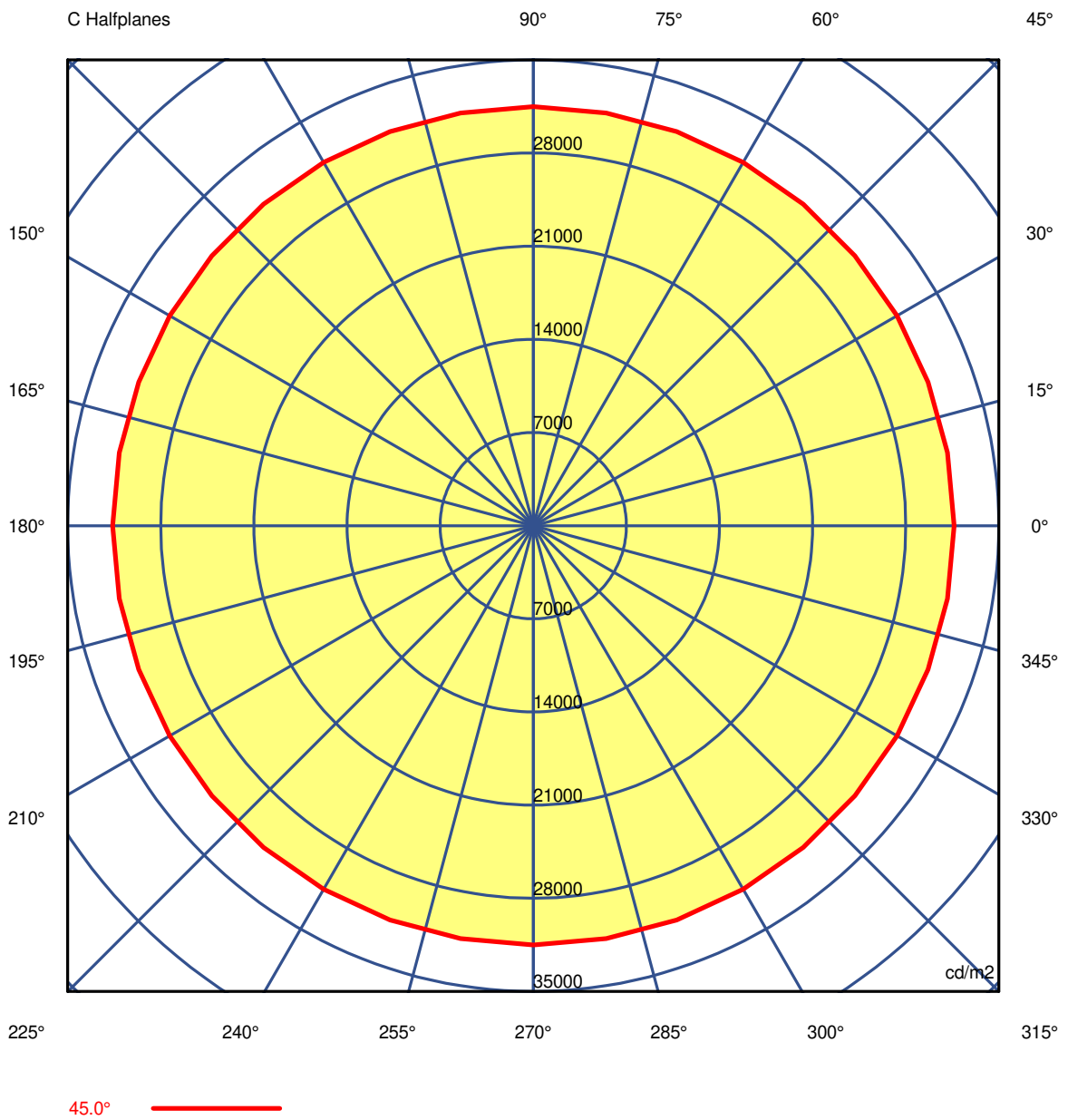
Code 05-E063-Z5-OU\_2700K\_1  
 Name MODIS

**Measurem.**

Code 05-E063-Z5-OU\_2700K\_1  
 Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Luminance



# LEDS C4<sup>+</sup>

## Luminaire

Code 05-E063-Z5-OU\_2700K\_1

Name MODIS

## Measurement

Code 05-E063-Z5-OU\_2700K\_1

Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20
G 5.0	35214.76	35180.73	35166.17	35162.67	35143.59	35119.51	35104.49	35100.36	35085.61	35054.61	35085.61	35100.36	35104.49
G 10.0	35090.47	35038.82	35032.07	35042.81	35008.14	35003.95	35025.04	34987.89	34958.95	34970.80	34958.95	34987.89	35025.04
G 15.0	34824.03	34840.19	34802.58	34744.62	34759.62	34777.03	34771.16	34732.67	34711.55	34704.99	34711.55	34732.67	34771.16
G 20.0	34582.17	34500.37	34446.81	34428.83	34432.73	34435.59	34431.98	34425.72	34424.73	34430.14	34424.73	34425.72	34431.98
G 25.0	34052.91	34048.30	34023.41	33995.08	33997.15	33992.49	33984.07	34037.84	34033.69	33937.78	34033.69	34037.84	33984.07
G 30.0	33574.27	33554.11	33550.85	33555.10	33540.27	33515.41	33502.51	33512.71	33500.83	33454.29	33500.83	33512.71	33502.51
G 35.0	33043.49	33038.57	33024.36	33004.13	32994.80	32956.80	32902.87	32950.25	32966.23	32895.98	32966.23	32950.25	32902.87
G 40.0	32428.97	32394.79	32357.00	32336.54	32356.34	32353.37	32313.73	32284.47	32274.98	32271.56	32274.98	32284.47	32313.73
G 45.0	31635.72	31599.53	31578.82	31571.69	31562.93	31552.61	31538.77	31517.62	31501.41	31493.99	31501.41	31517.62	31538.77
G 50.0	30666.38	30699.87	30672.95	30619.67	30634.83	30645.67	30626.41	30590.14	30564.76	30556.65	30564.76	30590.14	30626.41
G 55.0	29504.27	29497.31	29466.83	29409.74	29399.59	29390.26	29365.17	29357.53	29368.74	29390.13	29368.74	29357.53	29365.17
G 60.0	27891.54	27862.22	27839.73	27815.95	27780.17	27767.82	27771.39	27746.64	27719.68	27706.11	27719.68	27746.64	27771.39
G 65.0	25611.85	25595.14	25594.98	25598.19	25559.69	25543.79	25543.37	25503.86	25461.88	25439.90	25461.88	25503.86	25543.37
G 70.0	22455.53	22429.38	22409.84	22388.20	22352.20	22333.97	22328.30	22297.60	22267.63	22252.29	22267.63	22297.60	22328.30
G 75.0	18166.01	18184.73	18158.45	18104.97	18078.08	18030.23	17960.93	17925.98	17914.52	17909.27	17914.52	17925.98	17960.93
G 80.0	12649.06	12673.61	12633.60	12543.52	12473.57	12405.63	12334.90	12283.68	12238.41	12189.43	12238.41	12283.68	12334.90
G 85.0	6593.76	6725.45	6638.59	6362.94	6131.20	6002.61	5924.65	5808.75	5683.18	5570.70	5683.18	5808.75	5924.65
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>+</sup>

## Luminaire

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

## Measurement

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20
G 5.0	35119.51	35143.59	35162.67	35166.17	35180.73	35214.76	35180.73	35166.17	35162.67	35143.59	35119.51	35104.49	35100.36
G 10.0	35003.95	35008.14	35042.81	35032.07	35038.82	35090.47	35038.82	35032.07	35042.81	35008.14	35003.95	35025.04	34987.89
G 15.0	34777.03	34759.62	34744.62	34802.58	34840.19	34824.03	34840.19	34802.58	34744.62	34759.62	34777.03	34771.16	34732.67
G 20.0	34435.59	34432.73	34428.83	34446.81	34500.37	34582.17	34500.37	34446.81	34428.83	34432.73	34435.59	34431.98	34425.72
G 25.0	33992.49	33997.15	33995.08	34023.41	34048.30	34052.91	34048.30	34023.41	33995.08	33997.15	33992.49	33984.07	34037.84
G 30.0	33515.41	33540.27	33555.10	33550.85	33554.11	33574.27	33554.11	33550.85	33555.10	33540.27	33515.41	33502.51	33512.71
G 35.0	32956.80	32994.80	33004.13	33024.36	33038.57	33043.49	33038.57	33024.36	33004.13	32994.80	32956.80	32902.87	32950.25
G 40.0	32353.37	32356.34	32336.54	32357.00	32394.79	32428.97	32394.79	32357.00	32336.54	32356.34	32353.37	32313.73	32284.47
G 45.0	31552.61	31562.93	31571.69	31578.82	31599.53	31635.72	31599.53	31578.82	31571.69	31562.93	31552.61	31538.77	31517.62
G 50.0	30645.67	30634.83	30619.67	30672.95	30699.87	30666.38	30699.87	30672.95	30619.67	30634.83	30645.67	30626.41	30590.14
G 55.0	29390.26	29399.59	29409.74	29466.83	29497.31	29504.27	29497.31	29466.83	29409.74	29399.59	29390.26	29365.17	29357.53
G 60.0	27767.82	27780.17	27815.95	27839.73	27862.22	27891.54	27862.22	27839.73	27815.95	27780.17	27767.82	27771.39	27746.64
G 65.0	25543.79	25559.69	25598.19	25594.98	25595.14	25611.85	25595.14	25594.98	25598.19	25559.69	25543.79	25543.37	25503.86
G 70.0	22333.97	22352.20	22388.20	22409.84	22429.38	22455.53	22429.38	22409.84	22388.20	22352.20	22333.97	22328.30	22297.60
G 75.0	18030.23	18078.08	18104.97	18158.45	18184.73	18166.01	18184.73	18158.45	18104.97	18078.08	18030.23	17960.93	17925.98
G 80.0	12405.63	12473.57	12543.52	12633.60	12673.61	12649.06	12673.61	12633.60	12543.52	12473.57	12405.63	12334.90	12283.68
G 85.0	6002.61	6131.20	6362.94	6638.59	6725.45	6593.76	6725.45	6638.59	6362.94	6131.20	6002.61	5924.65	5808.75
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>®</sup>

## Luminaire

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

## Measurment

Code 05-E063-Z5-OU\_2700K\_1  
Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20	35207.20
G 5.0	35085.61	35054.61	35085.61	35100.36	35104.49	35119.51	35143.59	35162.67	35166.17	35180.73
G 10.0	34958.95	34970.80	34958.95	34987.89	35025.04	35003.95	35008.14	35042.81	35032.07	35038.82
G 15.0	34711.55	34704.99	34711.55	34732.67	34771.16	34777.03	34759.62	34744.62	34802.58	34840.19
G 20.0	34424.73	34430.14	34424.73	34425.72	34431.98	34435.59	34432.73	34428.83	34446.81	34500.37
G 25.0	34033.69	33937.78	34033.69	34037.84	33984.07	33992.49	33997.15	33995.08	34023.41	34048.30
G 30.0	33500.83	33454.29	33500.83	33512.71	33502.51	33515.41	33540.27	33555.10	33550.85	33554.11
G 35.0	32966.23	32895.98	32966.23	32950.25	32902.87	32956.80	32994.80	33004.13	33024.36	33038.57
G 40.0	32274.98	32271.56	32274.98	32284.47	32313.73	32353.37	32356.34	32336.54	32357.00	32394.79
G 45.0	31501.41	31493.99	31501.41	31517.62	31538.77	31552.61	31562.93	31571.69	31578.82	31599.53
G 50.0	30564.76	30556.65	30564.76	30590.14	30626.41	30645.67	30634.83	30619.67	30672.95	30699.87
G 55.0	29368.74	29390.13	29368.74	29357.53	29365.17	29390.26	29399.59	29409.74	29466.83	29497.31
G 60.0	27719.68	27706.11	27719.68	27746.64	27771.39	27767.82	27780.17	27815.95	27839.73	27862.22
G 65.0	25461.88	25439.90	25461.88	25503.86	25543.37	25543.79	25559.69	25598.19	25594.98	25595.14
G 70.0	22267.63	22252.29	22267.63	22297.60	22328.30	22333.97	22352.20	22388.20	22409.84	22429.38
G 75.0	17914.52	17909.27	17914.52	17925.98	17960.93	18030.23	18078.08	18104.97	18158.45	18184.73
G 80.0	12238.41	12189.43	12238.41	12283.68	12334.90	12405.63	12473.57	12543.52	12633.60	12673.61
G 85.0	5683.18	5570.70	5683.18	5808.75	5924.65	6002.61	6131.20	6362.94	6638.59	6725.45
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>2</sup>

## Luminaire

Code 05-E063-Z5-OU\_2700K\_1

Name MODIS

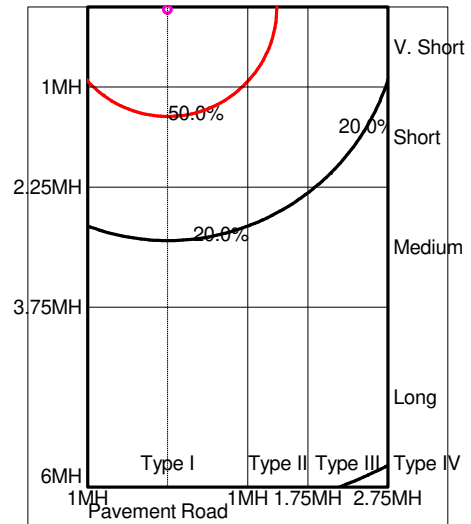
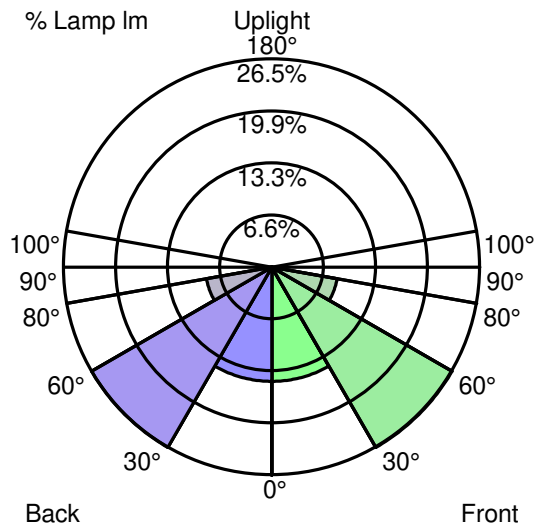
## Measurement

Code 05-E063-Z5-OU\_2700K\_1

Name MODIS

Luminaire Flux	669 lm	Luminaire Power	11.6 W	Efficacy	57.684 lm/W	Efficiency	100.00%
Source Flux	669 lm	Maximum value	380.97 cd/klm	Position	C=0.00 G=2.00	CG	Double Symmetrical

## US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	97.5 lm	14.6 %
FM	30° -- 60°	177.6 lm	26.5 %
FH	60° -- 80°	56.6 lm	8.5 %
FVH	80° -- 90°	2.8 lm	0.4 %
BL	0° -- 30°	97.5 lm	14.6 %
BM	30° -- 60°	177.6 lm	26.5 %
BH	60° -- 80°	56.6 lm	8.5 %
BVH	80° -- 90°	2.8 lm	0.4 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS		669.1 lm	100.0 %
BUG B0 U0 G0 Type V Very Short Quadrilateral Symmetry			